

Math by Myself - Brief

Urgency

- 👤 Helps us become better at understanding math and learning math
- 👤 It is fun

Sample I-Chart

Students	Teacher
<ul style="list-style-type: none">👤 Work (on Math) the whole time👤 Stay in one spot👤 Use a quiet voice👤 Build math stamina👤 Get started right away	<ul style="list-style-type: none">👤 Work with students

Focus Lessons for Math by Myself

Day 1

Math Mantra: Mathematicians use tools to solve problems
Teach and Model 'Using Math Tools' and 'Using Tools More Than One Way'
Teach 10 Steps of Independence
Students practice building stamina using math tools

Day 2

Math Mantra: Mathematicians share their thinking
Review and Introduce more tools
Review I-chart, add more behaviors based on how the students did yesterday
Students model and practice 10 Steps of Independence
Continue building stamina
-----Second Round - for students with more advanced stamina, or introduce tomorrow-----
Review I-chart, revise behaviors as needed
Introduce *Dice Tally* or independent math game of your choice
Students practice *Dice Tally* and practice being Independent
Teacher: tours the room and assesses basic knowledge of individual students

Day 3

Math Mantra: Mathematicians build stamina and persevere
Introduce *Double Dice Tally Game* or independent math game of your choice
Review I-chart
Decide if teacher continues to place students around the room or if students choose
Students check-in with a good fit game (*Double Dice* or *Dice Tally*)
Students practice game while building stamina
-----Second Round - for students with more advanced stamina, or introduce tomorrow-----
Review I-chart - revise behaviors as needed
Introduce *Canoga* or independent math game of your choice
Students practice *Canoga* and build stamina
Teacher: tours the room and assesses basic knowledge of individual students

Day 4

Math Mantra: Mathematicians know the difference between pretend work and real work
Introduce *Advanced Canoga* or an independent math game of your choice
Review I-chart
Students check-in with a good fit game, *Canoga* or *Advanced Canoga*
Students practice game while building stamina
-----Second Round - for students with more advanced stamina, or introduce tomorrow-----
Review I-chart - revise behaviors as needed
Review *Dice Tally* and *Double Dice Tally*, *Canoga* and *Advanced Canoga*
Students choose and check-in with which game of the four they will play
Students practice building independence and learning math skills while playing games

Day 5

Math Mantra - Mathematicians explain their thinking
Introduce two math problems and how to solve problems
Students choose a good fit problem, write and/or paste in math journal, and solve making sure to show their thinking, solution and/or strategy
-----Second Round - for students with more advanced stamina, or introduce tomorrow-----
Review I-chart - revise behaviors as necessary
Review *Dice Tally* and *Double Dice Tally*, *Canoga* and *Advanced Canoga*
Students check-in with which game of the four they will play.
Students practice building independence and learning math skills while playing games